13

Substitute for form 1449PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of

Complete if Known					
Application Number	10/661,415				
Filing Date	September 12, 2003				
First Named Inventor	Andrew Vaillant et al.				
Art Unit	1648				
Examiner Name	Sharon L. HURT				
Attorney Docket Number	16051-8US CC				

	U.S. PATENT DOCUMENTS									
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines Where Relevant Passages or Relevant					
Initials*	No.'	Number – Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Figures Appear					
<u>8</u> 7		US-5,563,050								
57		US-6,506,559								
Sn		US-5,023,252								
8%		US-5,580,859								
Sh		US-4,806,463								
Sh	,	US-5,248,670								
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Sn		US-5,750,666								
521		US-5,602,244								
Sh		US-5,508,270								

	FOREIGN PATENT DOCUMENTS										
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines	T					
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SD		WO 03/02903									
5 <i>n</i>		WO 99/32619									
Sh		WO 01/75164									
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527		WO 94/17093									
Sh		WO 94/02499									
Sn		WO 94/26764									
82		WO 97/13499				1					

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional), <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04 1 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the senal number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is

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		-		Art Unit	1648		
(use as many sheets as necessary)			ecessary)	Examiner Name	Sharon L. HURT		
Sheet	2	of	13	Attorney Docket Number	16051-8US CC		

	U.S. PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Document Number  Number – Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear					
81		US-4,469,863								
84		US-5,610,289								
3h		US-5,256,775								
Sh		US-5,366,878								
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	FOREIGN PATENT DOCUMENTS										
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Sh		WO 90/04384				Т					
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Examiner Sharen Hunt Date Considered 1/16/2007	 					
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35		US-5,213,804	Ţ.						
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On		WO 99/14226				
Sh		WO 96/40062				
87	1	WO 97/04787				
gh		WO 04/02419				

Examiner Signature	Sharon	Beech	Date Considered	1,	166/2007

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Sheet	4	of	13	Attorney Docket Number	16051-8US CC	

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9		US-5,770,713			
Sh		US-4,615,697			
Cn	-	US-6,506,559			
Sn		US-6,573,099			
877		US-6,013,240			
25		US-5,837,449			
1		US-6,177,246			
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SI		US-2003/232435			
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Sh		US-2003/0162225 A1			
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	(use as many s	sheets as ne	cessary)	Examiner Name	Sharon L. HURT	
Sheet	5	of	13	Attorney Docket Number	16051-8US CC	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
Eli		ADJOU et al., "A novel generation of heparan sulfate mimetics for the treatment of prion diseases", 2003, J. Gen. Virol. 84:2595-2603.	
Sh		AGRAWAL, "Importance of nucleotide sequence and chemical modifications of antisense oligonucleotides", 1999, <i>Biochim. Biophys. Acta</i> 1489:53-68.	
57		AGRAWAL and KANDIMALLA, "Antisense therapeutics: is it as simple as complementary base recognition?", 2000, <i>Mol. Med. Today</i> 6:72-81.	
St	h	AKHTAR et al., "The delivery of antisense therapeutics", 2000, Advanced Drug Delivery Reviews 44:3-21.	
Si	)	ALLAKHVERDI et al., "Inhibition of Antigen-induced Eosinophilia and Airway Hyperresponsiveness by Antisense Oligonucleotides Directed against the Common β Chain of IL-3, IL-5, GM-CSF Receptors in a Rat Model of Allergic Asthma", 2002, Am. J. Respir. Crit. Care Med. 165:1015-1021.	
M		ANDREOLA et al., "DNA aptamers selected against the HIV-1 RNase H display in vitro antiviral activity", 2001, Biochemistry, 40:10087-10094.	
A		BAKER et al., "2-O-(2-Methoxy)ethyl-modified Anti-intercellular Adhesion Molecule 1 (ICAM-1) Oligonucleotides Selectively Increase the ICAM-1 mRNA Level and Inhibit Formation of the ICAM-1 Translation Initiation Complex in Human Umbilical Vein Endothelial Cells", 1997, <i>J. Biol. Chem.</i> 272 (18):11994-12000.	
Sn		BALL et al., "Clinical Potential of Respirable Antisense Oligonucleotides (RASONs) in Asthma", 2003, Am. J. Pharmacogenomics 3 (2):97-106.	
8	7	BANKS et al., "Delivery across the Blood-Brain Barrier of Antisense Directed against Amyloid B: Reversal of Learning and Memory Deficits in Mice Overexpressing Amyloid Precursor Protein", 2001, J. Pharmacol. Exp. Ther. 297 (3):1113-1121.	
S		BARDOS et al., "Structure-Activity Relationships and Mode of Action of 5-Mercapto-Substituted Oligo- and Polynucleotides as Antitemplates Inhibiting Replication of Human Immunodeficiency Virus Type 1", 1992, Antimicrob. Agents and Chemother. 36 (1):108-114.	

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Signature	- Cracion		Considered	110012001

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Sheet	6	of	13	Attorney Docket Number	16051-8US CC		

			NON PATENT LITERATURE DOCUMENTS			
	Examiner Initials*					
4	M		BARRET et al., "Evaluation of Quinacrine Treatment for Prion Diseases", 2003, J. of Virol. 77 (15):8462-8469.			
4	Sh		BATE et al., "Squalestatin Cures Prion-infected Neurons and Protects Against Prion Neurotoxicity", 2004, J. of Biol. Chem. 279 (15):14983-14990.			
4	M		BOUSSIF et al., "A versatile Vector for Gene and Oligonucleotide Transfer into Cells in Culture and in vivo: Polyethylenimine", 1995, <i>Proc. Natl. Acad. Sci. USA</i> . 92 (16):7297-7301.			
4	Sh		BRIGGER et al., "Poly(ethylene glycol)-Coated Hexadecylcyanoacrylate Nanospheres Display a Combined Effect for Brain Tumor Targeting", 2002, <i>J. Pharmacol. Exp. Ther.</i> 303 (3):928-936.			
	5h		CASPER, "Discovery of a Novel Target for Potential Cancer Therapy", Joint Bayer Science Forum – ACS November 24 <sup>th</sup> Dinner Meeting. 2003, The FILTERPAPER, Andy Edelbrock Bayer Corporation, page 3 (abstract).			
	St		CAUGHEY et al., "Sulfated Polyanion Inhibition of Scrapie-Associated PrP Accumulation in Cultured Cells", 1993, J. Virol. 67 (2):643-650.			
4	Sh		CHEN et al., "Antisense Oligonucleotides Demonstrate a Dominant Role of c-Ki-RAS Proteins in Regulating the Proliferation of Diploid Human Fibroblasts", 1996, J. Biol. Chem. 271 (45):28259-28265.			
	M		CHEONG et al., "Structure of influenza virus panhandle RNA studied by NMR spectroscopy and molecular modeling", 1999, Nuc. Acids. Res. 27 (5): 1392-1397.			
4	S7		CHIANG et al., "Antisense Oligonucleotides Inhibit Intercellular Adhesion Molecule 1 Expression by Two Distinct Mechanisms", 1991, J. Biol. Chem. 266 (27):18162-18171.	,		
	87	7	CIOFFI et al., "Selective Inhibition of A-Raf and C-Raf mRNA Expression by Antisense Oligodeoxynucleotides in Rat Vascular Smooth Muscle Cells: Role of A-Raf and C-Raf in Serum-Induced Proliferation", 1997, Mol. Pharmacol. 51:383-389.			

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4	Sh		CROOKE et al., "In Vitro Toxicological Evaluation of ISIS 1082, a Phosphorothioate Oligonucleotide Inhibitor of Herpes Simplex Virus", 1992, <i>Antimicrob. Agents Chemother.</i> 36 (3):527-532.					
۷	Sy		DASS, "Vehicles for oligonucleotide delivery to tumours", 2002, Journal of Pharmacy and Pharmacology 54:3-27.					
4	Sy		DASS, "Liposome-Mediated Delivery of Oligodeoxynuclotides In Vivo", 2002, <i>Drug Delivery</i> , 9:169-180.					
4	M		DHEUR et al., "Polyethylenimine but Not Cationic Lipid Improves Antisense Activity of 3'-Capped Phosphodiester Oligonucleotides", 1999, Antisense & Nucleic Acid Drug Development, 9:515-525.					
4	Sh		DOH-URA et al., "Treatment of Transmissible Spongiform Encephalopathy by Intraventricular Drug Infusion in Animal Models", 2004, <i>J. Virol.</i> 78 (10):4999-5006.					
-	Sh		ELBASHIR et al., "RNA interference is mediated by 21- and 22-nucleotide RNAs", 2001, Genes & Development 15:188-200.					
4	Sh		ELBASHIR et al., "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells", 2001, Nature 411:494-498.					
	9		FINOTTO et al., "Local administration of antisense phosphorothioate oligonucleotides to the c-kit ligand, stem cell factor, suppresses airway inflammation and IL-4 production in a murine model of asthma", 2001, J. Allergy Clin. Immunol. 107 (2):279-286.					
	n		FISET et al., "Modulation of allergic response in nasal mucosa by antisense oligodeoxynucleotides for IL-4", 2003, J. Allergy Clin. Immunol. 111 (3):580-586.					
6	Sn		GARRETT et al., "In vivo use of oligonucleotides to inhibit choroidal neovascularisation in the eye", 2001, J. Gene Med. 3:373-383.					

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Th		GORLACH et al., "Antisense repression in Cryptococcus neoformans as a laboratory tool and potential antifungal strategy", 2002, Microbiology 148:213-219.	
S71		GRIGORIEV et al., "Effects of the polyene antibiotic derivative MS-8209 on the astrocyte lysosomal system of scrapie-infected hamsters", 2002, J. Mol. Neurosci. 18:271-281.	
R		HARBOTH et al., "Identification of essential genes in cultured mammalian cells using small interfering RNAs", 2001, Journal of Cell Science 114 (24) 4557-4565.	
Z		HORVATH et al., "Potent inhibition of HIV-1 entry by (s <sup>4</sup> dU) <sub>35</sub> ", 2005, Virology 334:214-223.	
SA		HUGHES et al., "The cellular delivery of antisense oligonucleotides and ribozymes", 2001, Drug Discovery Today. 6 (6):303-315.	
SM		HUWYLER et al., "Brain drug delivery of small molecules using immunoliposomes", 1996, Proc. Natl. Acad. Sci. USA 93:14164-14169.	
91	,	INOUE et al., "Synthesis and properties of novel nucleic acid probes", 1985, Symposium Series – Nucleic Acids Research No. 16:165-168.	
n		INOUE et al., "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H", 1987, FEBS Letters 215 (2):327-330.	
Sh		JAASKELAINEN et al., "A lipid carrier with a membrane active component and a small complex size are required for efficient cellular delivery of anti-sense phosphorothicate oligonucleotides", 2000, European Journal of Pharmaceutical Sciences 10:187-193.	
5/1		KANAGARATNAM et al., "Malaria merozoite surface protein antisense oligodeoxynucleotides lack antisense activity but function as polyanions to inhibit red cell invasion", 1998, Int. J. Biochem. Cell Biol. 30:979-985.	
S	)	KOCISKO et al., "New Inhibitors of Scrapie-Associated Prion Protein Formation in a Library of 2,000 Drugs and Natural Products", 2003, J. Virol. 77 (19):10288-10294.	

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	h		KOSTER et al., "Emerging therapeutic agents for transmissible spongiform encephalopathies: a review", 2003, J. Vet Pharmacol. Ther. 26:315-26.	
4	37		KURRECK, "Antisense technologies. Improvement through novel chemical modifications", 2003, Eur. J. Biochem. 270:1628-1644.	
	7		KUWASAKI et al., "Inhibition of human immunodeficiency virus 1 replication in vitro by a self-stabilized oligonucleotide with 2'-O-methyl-guanosine-uridine quadruplex motifs", 2003, J. Antimicrob. Chemother. 51:813-819.	
4	Sh		LAU et al., "Abrogation of c-Raf expression induces apoptosis in tumor cells", 1998, Oncogene 16:1899-1902.	•
4	Sh		LEUNG and SHAH, in: Controlled Release of drugs: Polymers and aggregate systems, Rosoff, M., Ed., 1989, VCH Publishers, New York, pages 185-215.	
4	Sh		LUO et al., "Inhibition of influenza viral polymerases by minimal viral RNA decoys", 1997, J. Gen. Virol. 78: 2329-2333.	
4	5		de MERGNY et al., "Kinetics and thermodynamics of i-DNA formation: phosphodiester versus modified oligodeoxynucleotides", 1998, Nucleic Acids Res. 26 (21): 4797-4803.	
1	Sh		de MONBRISON et al., "Introducing antisense oligonucleotides into Pneumocystis carinii", 2002, J. Microbiol. Methods 50:211-213.	
4	Z		MONIA et al., "Evaluation of 2'-Modified Oligonucleotides Containing 2'-Deoxy Gaps as Antisense Inhibitors of Gene Expression", 1993, J. Biol. Chem. 268 (19):14514-14522.	
4	5n		MORASSUTTI et al., "Effect of phosphorothioate modifications on the ability of GTn oligodeoxynucleotides to specifically recognize single-stranded DNA-binding proteins and to affect human cancer cellular growth" 1999, Biochimie 81:1115-1122.	

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				Art Unit	1648		
	(use as many sheets as necessary)			Examiner Name	Sharon L. HURT		
Sheet	10	of	13	Attorney Docket Number	16051-8US CC		

Γ			NON PATENT LITERATURE DOCUMENTS	
	xaminer nitials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
	M		MOU and GRAY, "The high binding affinity of phosphorothioate-modified oligomers for Ff gene 5 protein is moderated by the addition of C-5 propyne or 2'-O-methyl modifications", 2002, <i>Nucleic Acids Res.</i> 30 (3):749-758.	
2	3		NAKAJIMA et al., "Results of Quinacrine Administration to Patients with Creutzfeldt-Jakob Disease", 2004, Dement. Genatr. Cogn. Disord. 17:158-163.	
	B		NOGUCHI et al., "Remarkable induction of apoptosis in cancer cells by a novel cationic liposome complexed with a bcl-2 antisense oligonucleotide", 2003, Journal of Controlled Release 88:313-320.	
	Z		NOONPAKDEE et al., "Inhibition of Plasmodium falciparum proliferation in vitro by antisense oligodeoxynucleotides against malarial topolsomerase II", 2003, Biochem. and Biophys. Res. Commun. 302:659-664.	
	7		O'BRIEN et al., "Antisense BCR-ABL Oligomers Cause Non-Specific Inhibition of Chronic Myeloid Leukemia Cell Lines", 1994, Leukemia 8 (12):2156-2162.	
	57		OMORI et al., "Targeting of post-ischemic cerebral endothelium in rat by liposomes bearing polyethylene glycol-coupled transferrin", 2003, Neurol. Res. 25:275-279.	·
	3		Orum et al., "Locked nucleic acids: A promising molecular family for gene-function analysis and antisense drug development", 2001, Current Opinion in Molecular Therapeutics 3 (3):239-243.	
4	7		PAN et al., "Isolation of virus-neutralizing RNAs from a large pool of random sequences", 1995, Proc. Natl. Acad. Sci. USA 92:11509-11513.	
4	7		PAPUCCI et al., "Phosphodiester Oligonucleotides Inhibit Mitosis and Trigger Apoptosis by a Non-Antisense, p53-Mediated Mechanism", 2002, Antisense & Nucleic Acid Drug Development 12:21-31.	
4	Sy		PEREZ et al., "Sequence-independent induction of Sp1 transcription factor activity by phosphorothioate oligodeoxynucleotides", 1994, <i>Proc. Natl. Acad. Sci. USA</i> 91:5957-5961.	
	Sh		POLI et al., "In vitro Evaluation of the Anti-prionic Activity of Newly Synthesized Congo Red Derivatives", 2003, ArzneimForsch./Drug Res. 53 (12):875-888.	

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Substitute f	or form 1449PTO			Complete if Known			
			Ł	Application Number	10/661,415		
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1	Th		PRIOLA et al., "Porphyrin and Phthalocyanine Antiscrapie Compounds", 2000, Science 287: 1503-1506.	
2	3		PROSKE et al., "Prion-Protein-Specific Aptamer Reduces PrPSc Formation", 2002, Chemic. Biol.Chem. 3:717-725.	
	Z		RAMAZEILLES et al., "Antisense phosphorothioate oligonucleotides: Selective killing of the intracellular parasite Leishmania amazonensis", 1994, Proc. Natl. Acad. Sci. USA 91:7859-7863.	
4	A		RHIE et al., "Characterization of 2'-fluoro-RNA aptamers that bind preferentially to disease-associated conformations of prion protein and inhibit conversion", 2003, J. Biol. Chem., 278 (41):39697-39705.	
4	Z		Rieger, in: <i>Pharmaceutical Dosage Forms</i> , Lieberman, Rieger and Banker (Eds), 1988, Marcel Dekker, INC., New York, NY, Vol. 1, pp. 285-366	
0	5		ROH et al., "Down-Regulation of HER2/neu Expression Induces Apoptosis in Human Cancer Cells That Overexpress HER2/neu", 2000, Cancer Research 60:560-565.	
	Z7		ROSOFF, in: <i>Pharmaceutical Dosage Forms</i> , Lieberman, Rieger and Banker (Eds), 1988, Marcel Dekker, INC., New York, NY, Vol. 1, pp.245-282.	
_		7	SCHMIDT et al., "Drug targeting by long-circulating liposomal glucocorticosteroids increases therapeutic efficacy in a model of multiple sclerosis", 2003, <i>Brain</i> 126:1895-1904.	
	M		SHYNG et al., "Sulfated Glycans Stimulate Endocytosis of the Cellular Isoform of the Prion Protein, PrPc, in Cultured Cells", 1995, <i>J. Biol. Chem.</i> 270 (50):30221-30229.	
4	N	7	SIERAKOWSKA et al., "Repair of thalassemic human β-globin mRNA in mammalian cells by antisense oligonucleotides", 1996, <i>Proc. Natl. Acad. Sci. USA</i> 93:12840-12844.	

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<u></u>	3		SMETSERS et al., "An antisense Bcr-Abl phosphodiester-tailed methylphosphonate oligonucleotide reduces the growth of chronic myeloid leukaemia patient cells bay a non-antisense mechanism", 1997, British Journal of Haematology 96:377-381.					
<u></u>	52		SUPATTAPONE et al., "Branched Polyamines Cure Prion-Infected Neuroblastoma Cells", 2001, J. Virol. 75 (7):3453-3461.					
2	M		TCHATALBACHEV et al., "The packaging signal of influenza viral RNA molecules", 2001, RNA 7: 979-989.	·				
C	Z		UHLMANN and PEYMAN, "Antisense Oligonucleotides: A New Therapeutic Principle", 1990, Chemical Reviews 90 (4):544-584.					
2	Z		VAN DEVENTER et al., "A randomised, controlled, double blind, escalating dose study of alicaforsen enema in active ulcerative colitis", 2004, Gut. 53:1646-1651.					
2		7	VINOGRADOV et al., "Nanogels for Oligonucleotide Delivery to the Brain", 2004, Bioconjug. Chem. 15:50-60.					
<u></u>	57	7	WANG et al., "Sequence-independent Inhibition of In Vitro Vascular Smooth Muscle Cell Proliferation, Migration, and In Vivo Neointimal Formation by Phosphorothicate Oligodeoxynucleotides", 1996, J. Clin. Invest. 98 (2):443-450.					
2	57		WHITE et al., "Inhibition of the Multiple Antibiotic Resistance (mar) Operon in Escherichia coli by Antisense DNA Analogs", 1997, Antimicrobial Agents and Chemotherapy 41 (12):2699-2704.					
0	9		WHITE et al., "Development of novel methods for delivering therapeutic oligonucleotides to the central nervous system", 2003, Society for Neuroscience, Program #325.5, Abstract.					
4	石		WHITE et al., "Antisense oligonucleotide treatments for psoriasis", 2004, Expert. Opin. Biol. Ther. 4(1):75-81.					

Examiner Sharu Beer Date Con:	te nsidered ///6/2007
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Sh		XU et al., "Inhibition of DNA Replication and Induction of S Phase Cell Cycle Arrest by G-rich Oligonucleotides", 2001, The Journal of Biological Chemistry 276 (46):43221-43230.	
Th		YANG et al., "Construction and selection of bead-bound combinatorial oligonucleoside phosphorothioate and phosphorodithioate aptamer libraries designed for rapid PCR-based sequencing", 2002, Nucl. Acids Res. 30 (23):1-8.	
Sh		YU et al., "Hybrid Oligonucleotides: Synthesis, Biophysical Properties, Stability Studies, and Biological Activity", 1996, Bioorganic. Med. Chem. 4 (10):1685-1692.	
5		YU et al., "Prediction of Clinical Responses in a Simulated Phase III Trial of Crohn's Patients Administered the Antisense Phosphorothioate Oligonucleotide ISIS 2302: Comparison of Proposed Dosing Regimens", 2003, Antisense Nucleic Acid Drug Dev. 13:57-66.	
2		ZELLWEGER et al., "Antitumor Activity of Antisense Clusterin Oligonucleotides Is Improved in Vitro and in Vivo by Incorporation of 2'-O-(2-Methoxy)Ethyl Chemistry", 2001, J. Pharmacol. and Experimental Therapeutics 298 (3):934-940.	
5		ZHANG et al., "A Simple Glycol Nucleic Acid", 2005, J. Am. Chem. Soc. 127:4174-4175.	
5	•	ZHANG et al., "The Study on Brain Targeting of the Amphotericin B Liposomes", 2003, J. Drug. Target. 11 (2):117-122.	
Sh		ZHANG et al., "Global Non-Viral Gene Transfer to the Primate Brain Following Intravenous Administration", 2003, Mol. Ther. 7 (1):11-18.	
N	)	The Concise Encyclopedia of Polymer Science and Engineering, Jacqueline I. Kroschwitz, 1998, ISBN: 0-471-31856-6, 1341 pages, pp. 858-859.	
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